

/ GEM 80 FIRST LINE MAINTENANCE

This 2 day course has been specifically designed with first line maintenance requirements in mind. It is therefore ideally suited for Electricians and Technicians who may be initially required to diagnose faults associated with GEM 80 PLC systems.

The course will allow students to develop an understanding of what factors to consider when a fault occurs on a GEM 80 system. It will also give Electricians the confidence to discuss faults at a higher technical level. They will gain a broad PLC systems knowledge, including specific GEM 80 PLC terminology. This will be of great benefit when reporting faults either to engineering staff or directly to the equipment manufacturers.

Where possible, application specific exercises, actual drawings and programs listings will be used to allow the students to gain the greatest possible benefit from the course.

/ COURSE CONTENT

- ✓ To gain an insight into PLC controlled systems.
- ✓ The interfacing of I/O devices to the GEM 80.
- ✓ Watchdog and safety circuits.
- ✓ To introduce the concepts and operation of GEM 80 controllers.
- ✓ To familiarise students with GEM 80 hardware.
- ✓ To familiarise students with GEM 80 PLC Programmers.
- ✓ To develop an understanding of basic GEM 80 software.
- ✓ "Reading" ladder diagrams, the standard relay functions.
- ✓ "Reading" the rest of the ladder program.
- ✓ To introduce the routine for the storage and retrieval of ladder programs.

Course Reference
GMFLM

Course Duration
2 Days

Documentation
GEM 80 Maintenance
Training Manual.

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